

16/01/2004

AN 2002:955621 HCAPLUS  
DN 138:40739  
TI Waterproofing technique for solvent-free urethane coating  
IN Matsumoto, Yukio; Kamemura, Ichiro; Akimoto, Yukio  
PA Asahi Glass Polyurethane Material Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 9 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

FAN.CNT 1

PSR

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002364128	A2	20021218	JP 2001-170820	20010606
PRAI	JP 2001-170820		20010606		

AB (a) Aqueous primer, such as aqueous epoxy resin, urethane resin, and acrylic resin, (b) solvent-free urethane coating containing 5 wt% plasticizer, such as phthalate, aliphatic dibasic ester, phosphates, epoxy aliphatic ester, glycol ester, chlorinated paraffin, and petroleum, and (c) aqueous topcoat, i.e. aqueous acrylic resin and fluoro polymer are coated on the outside surface of buildings, veranda, and balcony sequentially using a waterproof technique. The solvent-free urethane coating is composed of isocyanate-terminated prepolymer, such as polyoxypropylenepolyol, and two-component waterproofing material containing aromatic polyamine curing agent or one-component moisture-curable waterproofing material. Thus, aqueous primer emulsion composed of bisphenol A-based epoxy resin, aliphatic polyamine, and portland cement at a ratio of 1:1:2 was coated and cured sufficiently; polyoxypropylenetriol 17.04, polyoxypropylenediol 68.14, and tolylene diisocyanate 14.82 parts were reacted to obtain an isocyanate-terminated prepolymer, which was then cured by 4,4'-methanebis(2,6-diethylaniline), 4,4'-methanebis(2-ethylaniline), and diethyltoluene diamine, and mixed with pigments to prepare waterproofing urethane coating; the topcoat contained 95 parts of isocyanate-terminated prepolymer prepared from PTMG and hexamethylene diisocyanate, 5 parts of propylene glycol monoether acetate (solvent), 45 parts of styrene-Bu acrylate-2-hydroxyethyl methacrylate copolymer, and 25 parts of dye.

IT ~~452336-13-9P, Hexamethylene diisocyanate-ethyl vinyl ether-chlorotrifluoroethylene-hydroxybutyl vinyl ether-PTMG copolymer~~  
~~452336-14-0P, Hexamethylene diisocyanate-styrene-butyl acrylate-2-hydroxyethyl methacrylate-ethyl vinyl ether-chlorotrifluoroethylene-hydroxybutyl vinyl ether-PTMG copolymer~~  
RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (waterproofing technique for solvent-free urethane coating)

RN 452336-13-9 HCAPLUS

CN Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene, 1,6-diisocyanatohexane, ethoxyethene and  $\alpha$ -hydro- $\omega$ -hydroxypoly(oxy-1,4-butanediyl) (9CI) (CA INDEX NAME)

See hybrid system